

CLAIMS

1. An aqueous dispersion type polyurethane composition obtained from (a) a polyisocyanate component essentially comprising a diisocyanate and, optionally, other polyisocyanate compound, (b) a polyol component essentially comprising a polycarbonate diol having an average molecular weight of 500 to 5000 and a carboxyl-containing diol and, optionally, other polyol compound, (c) an amine component essentially comprising a monoamine compound and, optionally, a diamine compound, (d) a carboxyl-neutralizing component, and (e) water.
2. The aqueous dispersion type polyurethane composition according to claim 1, used as an automotive intercoating composition.
3. The aqueous dispersion type polyurethane composition according to claim 1 or 2, wherein the amine component (c) comprises the monoamine compound and the diamine compound.
4. The aqueous dispersion type polyurethane composition according to any one of claims 1 to 3, wherein the ratio of the sum of the moles of hydroxyl group in the polyol component (b) and the moles of amino group in the amine component (c) to the moles of isocyanate group in the polyisocyanate component (a) is in the range of from 0.50 to 2.0.
5. The aqueous dispersion type polyurethane composition according to any one of claims 1 to 4, wherein the proportion of the diamine compound in the amine component (c) is 5 to 99 mol%.
6. The aqueous dispersion type polyurethane composition according to any one of claims 1 to 5, wherein the monoamine compound of the amine component (c) is an alkanolamine.